

APPENDIX

1. (amended) In a method of transmitting a sequence of transmit pulses for scanning a region of a target including contrast agents, the improvement wherein:
a substantially similar energy sequence is provided for substantially each transmit scan line in the region of at least eight scan lines, where the energy sequence includes at least one collateral energy pulse between two imaging pulses.
2. (amended) The [sequence] method of Claim 1 responsive to the transmit pulses characterized by a flow sample interleave ratio that is equal to a flow sample count minus one.
3. (amended) The [sequence] method of Claim 1 further comprising energy responsive to a destruction pulse where an image is responsive to the energy of the imaging pulses and substantially free of response to the energy of the destruction pulse.
4. (amended) The [sequence] method of Claim 1 responsive to the transmit pulses characterized by a flow sample interleave ratio that is two and a flow sample count that is three.
5. (amended) The [sequence] method of Claim 4 comprising e eCeCeCe e where “e” represents a collateral energy pulse and “C” represents an imaging energy pulse.
6. (amended) The [sequence] method of Claim 1 responsive to the transmit pulses characterized by a flow sample interleave ratio that is three and a flow sample count that is four.
7. (amended) The [sequence] method of Claim 6 comprising e eC eCeeCe Ce e where “e” represents a collateral energy pulse and “C” represents an imaging energy pulse.

8. (amended) The [sequence] method of Claim 1 responsive to the transmit pulses characterized by a flow sample interleave ratio that is three and a flow sample count that is three.

9. (amended) The [sequence] method of Claim 8 comprising e eC eCe Ce e where "e" represents a collateral energy pulse and "C" represents a imaging energy pulse.

10. (amended) The [sequence] method Claim 1 wherein the flow sample interleave ratio is an integer multiple of one less than a flow sample count.

11. (amended) A method for imaging contrast agents with an ultrasound system, the method comprising the acts of:

(a) generating a substantially similar transmit pulse sequence for substantially each line in a scanned region of at least eight scan lines; and

(b) interleaving collateral pulses from a transmission along a first scan line between at least two imaging pulses along a second different scan line, the transmit pulse sequence including energy from collateral pulses of adjacent scan lines and imaging pulses on each line.

21. (amended) A method for imaging contrast agents with an ultrasound system, the method comprising the acts of:

(a) transmitting a first pulse along a first scan line;

(b) transmitting a second pulse along a second scan line after (a), the second scan line adjacent the first scan line;

(c) transmitting a third pulse along the first scan line after (b); and

(d) repeating (a), (b) and (c) for a different set of scan lines such that a substantially same sequence of collateral and imaging pulses is provided for each of a plurality of scan lines including the scan lines of the different sets.

27. (amended) A method for imaging contrast agents with an ultrasound system, the method comprising:

- (a) transmitting pulses with a flow sample interleave ratio greater than one;
- (b) generating a substantially similar imaging pulse and collateral pulse energy sequence for substantially each transmit line in a scanned region including at least eight transmit lines; and
- (c) sampling energy responsive to each transmitted pulse.